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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/077,967		02/20/2002	Sarah E. Kim	219.40232X00 6471		
20457	7590	06/18/2003				
		RY STOUT AND I	EXAMINER			
	H SEVEN	NTEENTH STREET	TRINH, MICHAEL MANH			
ARLINGTO	ON, VA Z	22209		ART UNIT PAPER NUMBER		
				2822		
			DATE MAILED: 06/18/2003			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
Offic Actio		10/077,967	KIM ET AL.					
Offic Actio	n Summary	Examiner	Art Unit					
		Michael Trinh	2822					
The MAILING DATE of this communication app ars on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 30Days (SACHERIA) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
	mmunication(s) filed on 20 F	ebruary 2002 .						
2a) ☐ This action is FIN	· · ·	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims								
4)⊠ Claim(s) <u>1-32</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
<u> </u>	6) Claim(s) is/are rejected.							
7) Claim(s) is/	•							
8) 🔀 Claim(s) <u>1-32</u> are Application Papers	subject to restriction and/or e	election requirement.						
	objected to by the Examine	r						
<u> </u>	·		vaminer					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
• • • • • • • • • • • • • • • • • • • •		is: a) ☐ approved b) ☐ disap	` '					
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) ☐ Ali b) ☐ Some * c) ☐ None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) ☐ The translation of the foreign language provisional application has been received.  15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachment(s)								
	PTO-892) ent Drawing Review (PTO-948) ment(s) (PTO-1449) Paper No(s)	5) Notice of Inform	ary (PTO-413) Paper No(s) al Patent Application (PTO-152)					

/ Application/Control Number: 10/077,967

Art Unit: 2822

## Part III DETAILED ACTION

\*\*\* This office is in response to filling of the application on February 20, 2002.

## Election/Restriction

- 1. Restriction to one of the following inventions is required under 35 U.S.C. § 121:
- I. Claims 19-32, drawn to a 3-D vertical stacked wafer system, classified in Class 257, subclass 773.
- II. Claims 1-18, drawn to a method of forming a vertical stacking wafers, classified in Class 438, subclass 107.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (M.P.E.P. § 806.05(f)). Unpatentability of the group I invention would not necessarily imply unpatentability of the group II invention, since the device of the group I invention could be made by process material different than those/that of the group II invention. For example: instead of bonding and forming via in the vertical stack wafers, forming via in each of the wafers and epitaxial growing a second wafer on a first wafer.

Because these inventions are distinct for the reasons given above and have acquired a separate status as shown by the above different classifications and as given in the above examples, the fields of search are not co-extensive and separate examination would be required, restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Trinh whose telephone number is (703) 308-2554. The examiner can normally be reached on Monday through Friday, from 9:00 Am to 5:00 Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian, can be reached on (703) 308-4905. The fax phone number for this Group is (703) 305-3432 or (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Oacs

Michael Trinh
Primary Examiner